

What Is Claimed Is:

1. An operating mechanism for a medical device comprising:

switching means that can designate specified functional operations;

an air-tight unit that can accommodate the switching means air-tightly;

a moving member which is disposed inside the air-tight unit, and which moves between a position in which the switching means designates an operation and a position in which the switching means does not designate an operation;

biasing means which directly or indirectly biases the moving member to the position in which no operation is designated;

an operating member which is disposed on the outside of the air-tight unit, and which can be operated by an operator; and

switching-function change-over means that moves the moving member by magnetic force into the position in which an operation is designated against the biasing force of the biasing means in accordance with the operation of the operating member.

2. The operating mechanism for a medical device according to claim 1, wherein the switching means is a photo-interrupter.

3. The operating mechanism for a medical device according to claim 1, wherein the switching means is a switch that is placed in a conductive state by being pressed.

4. The operating mechanism for a medical device according to claim 1, wherein the switching-function change-over means comprises:

a first magnet which is disposed on the operating member or an operating auxiliary member disposed on the outside of the air-tight unit with the air-tight unit main body interposed; and

a second magnet which is disposed on the moving member disposed on the inside of the air-tight unit with the air-tight unit main body interposed.

5. An operating mechanism for a medical device comprising:

a switch that controls specified functional operations;

an air-tight unit that can accommodate the switch air-tightly;

a moving member which is disposed inside the air-tight unit, and which moves between a position in which the switch designates an operation and a position in which the switch does not designate an operation;

an operating member which is disposed on the outside of the air-tight unit, which can be operated by an operator,

and which is disposed such that no contact is made with the moving member; and

a switching-function change-over portion which switches the functional operation of the switch by varying the position of the moving member in accordance with the operation of the operating member.

6. The operating mechanism for a medical device according to claim 5, which further comprises a biasing member that directly or indirectly biases the moving member to the position in which no operation is designated.

7. The operating mechanism for a medical device according to claim 6, wherein the switching-function change-over portion varies the position of the moving member by magnetic force.

8. The operating mechanism for a medical device according to claim 7, wherein the switching-function change-over portion comprises:

a first magnet which is disposed on the operating member or an operating auxiliary member disposed on the outside of the air-tight unit with the air-tight unit main body interposed; and

a second magnet which is provided on the moving member disposed on the inside of the air-tight unit with the air-tight unit main body interposed.

9. The operating mechanism for a medical device according to claim 5, wherein the switch is a photo-interrupter.

10. The operating mechanism for a medical device according to claim 5, wherein the switch is a switch that is placed in a conductive state by being pressed.

11. An operating mechanism for a medical device comprising:

switching means that controls specified functional operations;

an air-tight unit that can accommodate the switch air-tightly;

a moving member which is disposed inside the air-tight unit, and which moves between a position in which the switch designates an operation and a position in which the switch does not designate an operation;

operating means which is disposed on the outside of the air-tight unit, which can be operated by an operator, and which is disposed such that no contact is made with the moving member; and

switching-function change-over means which varies the position of the moving member to switch the functional operation of the switch by operating the operating means.

12. The operating mechanism for a medical device according to claim 11, which further comprises biasing means

that directly or indirectly biases the moving member to the position in which no operation is designated.

13. The operating mechanism for a medical device according to claim 11, wherein the switching-function change-over means varies the position of the moving member by magnetic force.

14. The operating mechanism for a medical device according to claim 13, wherein the switching-function change-over means comprises:

a first magnet which is disposed on an operating member or an operating auxiliary member disposed on the outside of the air-tight unit with the air-tight unit main body interposed; and

a second magnet which is disposed on the moving member disposed on the inside of the air-tight unit with the air-tight unit main body interposed.

15. The operating mechanism for a medical device according to claim 11, wherein the switching means is a photo-interrupter.

16. The operating mechanism for a medical device according to claim 11, wherein the switching means is a switch that is placed in a conductive state by being pressed.

17. An endoscopic image-pickup apparatus having an operating mechanism for a medical device, comprising:

a scope mount which is mounted on the ocular part of an endoscope having an insertion part that is inserted into a body cavity;

an image-pickup element which captures an optical image that is transmitted to the ocular part;

an optical system which further transmits the optical image from the ocular part to the image-pickup element;

a rotating ring which holds the image-pickup element such that this element can rotate with respect to the scope mount;

a pattern concentrically constructed and disposed on the image-pickup element;

a contact pin that electrically contacts the pattern;

a flexible board that electrically contacts the contact pin; and

a camera cable which is electrically connected to the flexible board, and is extended to the outside.

18. The endoscopic image-pickup apparatus according to claim 17, wherein the concentric circular pattern that is contacted by the contact pin is disposed on a disc-shaped printed board.

19. The endoscopic image-pickup apparatus according to claim 17, wherein the pattern that is contacted by the contact

pin is three-dimensional wiring disposed on the outer circumferential surface of a cylindrical shape.